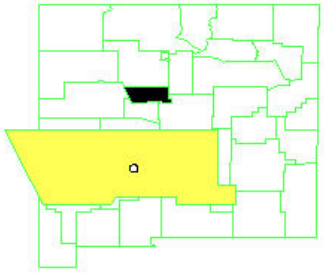
SOUTH VALLEY
(BERNALILLO COUNTY) ALBUQUERQUE, NEW MEXICO

EPA ID# NMD980745558
Site ID: 0600881



EPA REGION 6
CONGRESSIONAL DISTRICT 01

Contact:
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Updated: August 2006

Current Status

The Potential Responsible Parties (PRPs) are implementing the required remedial actions at the Site. A Five-Year Review was completed for this Site in September 2005. The Five-Year Review of the on-going remedial actions was determined to be protective of human health and the environment.

Benefits

- The water supply for 70,000 customers of the San Jose City water supply system is being protected.
- 5,000 cubic yards of solvent-contaminated soil has been remediated.
- Through the removal of contaminated oil, soil, and debris, the installation of a new water supply well, and the ongoing treatment of remaining contaminated soil, the EPA has reduced possible hazardous exposures at the South Valley site while ground water extraction and treatments are continuing.
- Both shallow and deep aquifers are being remediated.
- It should be noted that the groundwater remedial systems at the South Valley Superfund Site have been very effective in recovering and treating over 4.8 billion gallons of water since the remedial systems went on-line. Almost the entire amount of this large volume of water has been returned to the aquifer from which it was extracted, allowing the groundwater to be returned back to its beneficial use.

National Priorities Listing (NPL) History

Site HRS Score:	42.24
Proposal Date:	July 23, 1982
Final Listing Date:	September 8, 1983
Location:	About one square mile in Southern Albuquerque.
Population:	Approximately 70,000 people in Albuquerque are served by the San Jose water supply system. A residential district of 590 people lies adjacent to the north of the General Electric facility.

Setting: Nearest residence is within the site boundaries.

Municipal wells San Jose (SJ)-3 and SJ-6 were decommissioned in 1981 due to contamination with low levels of organic solvents. These wells were plugged and abandoned in September 1994. A new city water supply well (Burton #4) was completed in April 1987.

Wastes and Volume

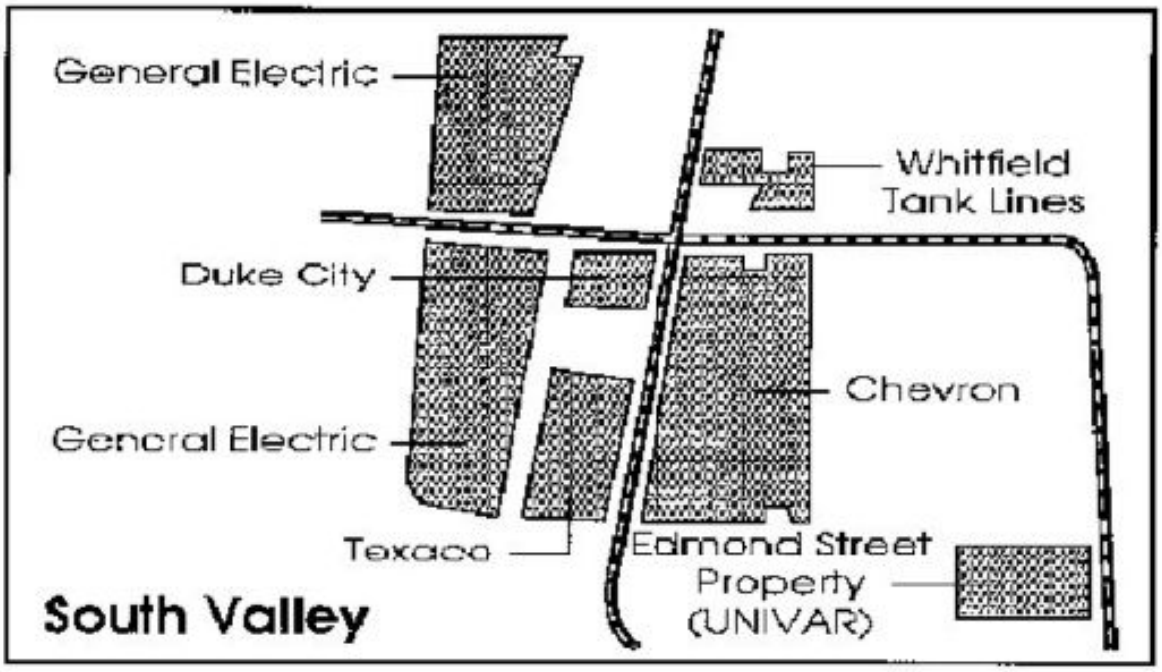
Principal Pollutants:

- Halocarbons (1,1-dichloroethene, trichloroethylene, 1,1,1-trichloroethane, tetrachloroethylene) and Aromatics (benzene, ethlybenzene, toluene xylene) are found in shallow ground water.
- Low-level Halocarbons and high-level Aromatics are present in the upper 60-feet of the intermediate ground water.
- Halocarbons are found in the upper part of the deep zone.

Volume:

- Approximately 5,000 cubic yards of solvent-contaminated soil on various PRP properties.
- Contaminated ground water, volume unknown.

Site Map



Human Health and Ecological Considerations

- Wells in the San Jose well field area were contaminated with VOC compounds, forcing the closing of over twenty private wells and two Albuquerque municipal wells.

- Results of the Remedial Investigation and Endangerment Assessment show that in the off-site areas there was not a significant threat to public health or the environment.

- Contamination in the soil and shallow ground water was found in the residential area north of the GE Plant. Soil contamination, found 9-feet below the surface, presents no threat to human health and was dismissed as a potential remedial target.

- The shallow ground water is being remediated.

- The deep aquifer has been contaminated with chlorinated solvents. The design of the system establishes a hydraulic barrier between the contaminant plume and the nearest City water supply well, 3/4 mile to the east. The chlorinated solvent contaminated ground water within the deep aquifer is being remediated.

Record Of Decision (ROD)

Operable Unit 1

DATE SIGNED:	March 22, 1985.
REMEDY:	Replace city water supply wells, San Jose #3 & #6.
STATUS:	Burton #4 (replacement) well was completed in April 1987.

Operable Unit 2

DATE SIGNED:	September 30, 1988.
REMEDY:	Plug SJ #3 & #6 wells plus any private wells that might be a conduit from shallow to intermediate aquifers and ground water monitoring and access restrictions are required.
STATUS:	Work was completed in September 1994.

Operable Units 3 & 4

DATE SIGNED:	June 1988 (Van Waters & Rogers, i.e. Univar).
REMEDY:	Ground Water Remediation- OU#3 - Pump and treat ground water.
STATUS	Pump and treat system operational since 4/92. Source Identification/Source Control- OU#4 - No further action.

Operable Units 5 & 6

DATE SIGNED:	September 30, 1988 (Air Force Plant 83/General Electric.).
REMEDY:	#5 - Pump and treat shallow ground water; soil cleanup, if needed.
STATUS:	Pump and treat system operational since 5/94 for shallow ground water. No action on soil. If the shallow aquifer is de-watered, which now seems unlikely, soil borings will be taken to determine the residual contaminant levels in the soil. If the shallow zone is remediated without de-watering, the potential residual soil contamination will not represent a threat and will not be treated.
REMEDY:	#6 - Pump and treat deep ground water aquifer.
STATUS:	Remedial Design was completed in May 1995. Construction began on remediation system in July 1995. Construction completed on recovery system and treatment plant. Remedial operations began on April 25, 1996.

Contacts

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